USER'S GUIDE

TV@nywhere-Plus

Version 1.0
January 2005

N1996

FCC-B Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Notice 1
The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Notice 2
Shielded interface cables and A.C. power cord, if any, must be used in order to comply with the emission limits.

VOIR LA NOTICE D'INSTALLATION AVANT DE RACCORDER AU RESEAU.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

FC Micro Star International
TV@nywhere-Plus

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MSI has been working on graphics products for years and has achieved a superior accomplishment in various graphics series. MSI is not only devoted to delivering the best product quality, but also to bringing up the most novel solutions. Here MSI presents the patents that MSI obtained for users reference.

Taiwan	Patent number:	446864
	Patent number:	192403
United State	Patent number:	6629259B2
Mainland China	Patent number:	605251

Important Safety Precautions

Always read and follow these basic safety precautions carefully when handling any piece of electronic component.

1. Keep this User's Manual for future reference.
2. Keep this equipment away from humidity.
3. Lay this equipment on a stable, flat surface before setting it up.
4. The openings on the enclosure are for air convection, hence they protect the equipment from overheating.
5. Make sure the voltage of the power source and adjust properly 110/220V before connecting the equipment to the power inlet.
6. Place the power cord in a way that people are unlikely to step on it. Do not place anything on the power cord.
7. Always Unplug the Power Cord before inserting any add-on card or module.
8. All cautions and warnings on the equipment should be noted.
9. Never pour any liquid into the opening that could damage the equipment or cause an electrical shock.
10. If any of the following situations arise, get the equipment checked by a service personnel:
    - The power cord or plug is damaged
    - Liquid has penetrated into the equipment
    - The equipment has been exposed to moisture
    - The equipment has not functioned properly or in accordance with the User's Guide
    - The equipment was dropped and damaged
    - The equipment has obvious signs of breakage
11. DO NOT LEAVE THE EQUIPMENT IN AN UNCONDITIONED ENVIRONMENT WITH A STORAGE TEMPERATURE OF 60^0 C (140^0F) OR ABOVE. IT MAY DAMAGE THE EQUIPMENT.

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Note

1
GETTING STARTED

This user's guide is designed for a series of TV Tuner cards. Read this chapter first, and it will give you a clear instruction on how to use this guide.

1.1 How to Use this Guide

This user's guide is designed for a series of TV Tuner cards. Before you start reading this guide, find out the product name of the TV Tuner card you have just purchased on the gift box, and look for the specification and function description in next chapter in accordance with the product name of your TV Tuner card .

Chapter 2, INTRODUCTION, provides the brief specification and function of each TV Tuner card. For detailed description of all functions, you may refer to the rest of the chapters. Note that the TV Tuner card you purchased may not cover all functions mentioned herein; therefore, it is recommended to read the "Reference" information first, which indexes the correspoding founction description of each different TV Tuner card, and then find the proper function description for your TV Tuner card in the other chapters.

Chapter 3, HARDWARE INSTALLATION, tells you how to install your TV Tuner card into your computer correctly, and the function of each connector on the TV Tuner card. Also note that your TV Tuner card may not cover all functions mentioned in this chapter. Check on Chapter 2, INTRODUCTION, for the specification of the TV Tuner card you purchased if you have any problem finding the proper function description for your card.

Chapter 4, SOFTWARE INSTALLATION, describes how to install MSI TV Tuner card software for Windows XP or 2000, including the driver and useful utilities.

1.2 Conventions of this Guide

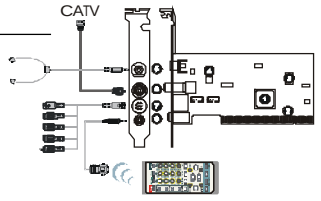
Read the conventions of this guide, and it will give you an idea about how this guide is designed and how this guide should be used.

The product name of the TV Tuner card

TV @nywhere

Layout

The layout of the TV Tuner card



The components on the TV Tuner card

1 Philips 7131
2 PCI Interface
3 Remote IC
4 TDA8275
5 FM Radio Antenna Connector
6 CATV_IN Connector
7 AV_IN/OUT Connector

The package contents of this TV Tuner card

Package Contents

•Unpack the package and inspect all the items carefully. If any item contained is damaged or missing, please contact your local dealer as soon as possible. Also, keep the box and packing materials in case you need to ship the unit in the future.

Your VGA card package should contain the following items:

TV Card

Software Pack Cds

Users' Manual

Reference

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3.. Hardware Installation.....3-1
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Corresponding function for each particular TV Tuner card

Note

2 INTRODUCTION

This chapter provides some brief specification and function of each card. For detailed description of all functions, you may need to refer to the other chapters. Note that the card you purchased may not cover all functions mentioned herein; therefore, it is recommended that you read the “Reference” information first, which indexes the correspoding founction description to each different card, and then find the proper function description for your card in other chapters.

2.1 System Requirements

To install the TV Tuner card, your system needs to meet the following

	Computer	PC with Pentium III 800, or above 128M RAM (256MB is recommended), or compatible system
	Expansion Slot	PCI 2.2 Compliant Slot
	Monitor	VGA support, minimum 640 x 480 resolution
	Operating System	Windows® XP/2000
	CD-ROM Drive	Double Speed or Higher
	Antenna	Work UHF/VHF Antenna
	Speakers	
	Hardisk	1GB Free HD Space

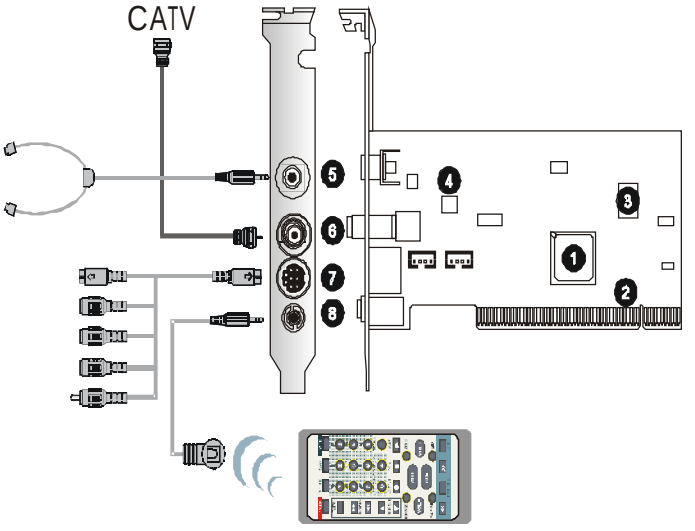
Others

§ Graphic Card (Support Microsoft DirectX 9.0 or above)
§ Sound Card (SoundBlaster 16 Compatible Sound Card)
§ Available Terrestrial Signal in your region

2.2 Product List

TV@nywhere-Plus

Layout



1. Philips 7131
2. PCI Interface
3. Remote IC
4. TDA 8275
5. FM Radio Antenna Connector
6. CATV_IN Connector
7. AV_IN/OUT Connector
8. Remote Receiver Connector

Features

* High Quality 9-Bits NTSC/PAL/SECAM video decoder chip
* Integrated TV worldwide audio decoder on chip, including MTS, EIAJ, A2, Nicam
* Support Teletext for PAL system
* User-Friendly and Powerful TVR application
  - Enhanced 16:9 Wide-Format Display
  - Auto Channel Scan and Name Recognition
  - Multiple Channel Preview
  - TV/Video always on the top of the monitor screen
  - TV/Video wallpaper
  - On-Line Help
* Support TimeShifting – Record & Playback Live TV Program at the same time
* Support Real-Time Video Recording in MPEG-4/2/1 format (MPEG4 is compatible with DivX or Microsoft MPEG4). (Note : you have to download the codec by yourself.)
* Support Scheduled Recording
* Support Still Image Capture in JPEG or BMP format
* Support Picture-In-Picture (PIP) function
* Additional AV/S Video Input for Connect Other Video Sources. (such as DVD Player/ VCD/ VHS/ Camcorder)
* SRPO – Schedule-Recording in PC Power-Off Mode
* Power-Off PC by Remote Controller
* Other Valued Software
  - MPEG Converter
  - MPEG Editor
  - DVD Burn

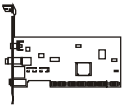
Spcifications

* Video Input / TV Input
  - 75 Ohm (UHF/VHF) TV Antenna
  - Composite Video
  - S-Video
* Audio Input
  - Connect External Audio Source
* TV Receiving Frequency
  - 55.25 – 855.25 MHz (NTSC)
  - 48.25 – 863.25 MHz (PAL)
  - FM radio band – 87.5 to 108.00 MHz (option)

Package Contents

Unpack the package and inspect all the items carefully. If any item contained is damaged or missing, please contact your local dealer as soon as possible. Also, keep the box and packing materials in case you need to ship the unit in the future.

Your card package should contain the following items:



TV@nywhere PCI Card

Remote Controller

Software Pack CD

4 in 1 AV-Cable

User's Guide

Remote Receiver Cable

FM Radio Antenna

Reference

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Note

3

HARDWARE INSTALLATION

This chapter tells you how to install your card into your computer correctly and how to use the connectors on the card. Note that your card may not cover all functions mentioned in this chapter. Check on Chapter 2, INTRODUCTION, for the specification of the card you purchased if you have any problem in finding the proper function description for your card.

3.1 Card Installation

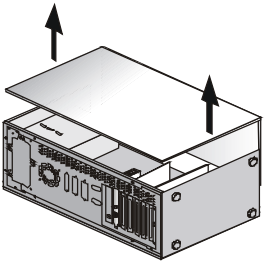
To install the card into your computer, please follow the steps below:

1. Follow the Windows® shut down procedure to turn off your computer.

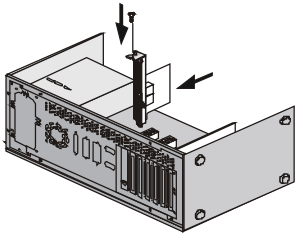
MSI reminds you...

Warning: Always remember to turn off your computer before installing or removing hardware to or from your computer. Neither the manufacturer nor the dealer is responsible for damages if the user ignores this warning!!!

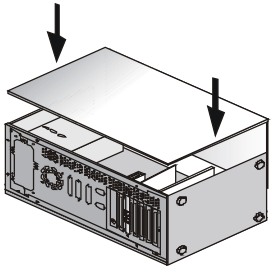
2. Remove the cover from your computer.



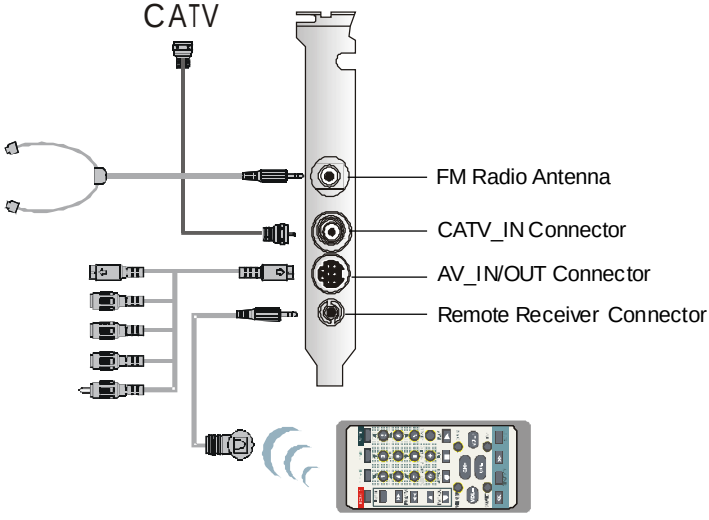
3. Put the card directly over the PCI slot and press one end of the card into the slot first. Gently but firmly press the other end until it is fully seated in the slot. Secure the card with a bracket screw.



4. Install the computer cover.



5. Connect all necessary cables.



Note

4

SOFTWARE INSTALLATION

This chapter describes how to install software under Windows® XP / 2000, including the drivers and useful utilities.

4.1 TV@nywhere-Plus Setup Utilities

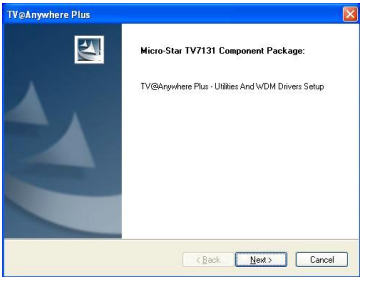
The TV @nywhere package comes with complete Windows software utilities. These utilities can be found from the CD-ROM in this package. Before installation, it is highly recommended that all background programs are disabled. These include such applications as anti-virus software and system monitoring applications.

1. When you finish the hardware setup and restart your system. The "Found New Hardware Wizard" window will pop up. Please click **"Cancel "** and you can make use of DVB-T setup utilities to easily install it.

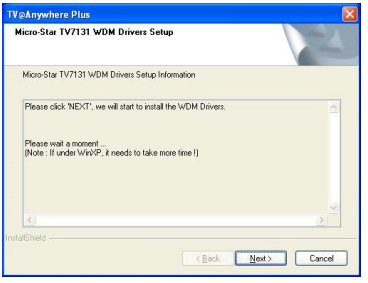
Hardware Update Wizard
Welcome to the Hardware Update Wizard
This wizard helps you install software for:
Media
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

2. Please click "Driver_Install" to install drivers and utilities of TV@Anywhere-Plus.

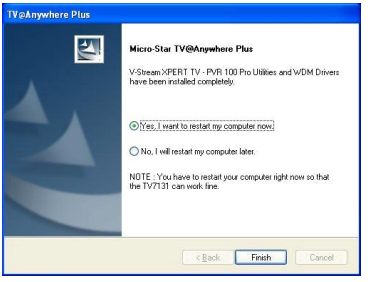
3. The TV card driver utilities will help you to install all the drivers. First, it will install the TV remote control on your system. **Click "Next" to continue.**



4. Then the utilities will help you install the TV card driver automatically. Please click “Next” to install TV@Anywhere-Plus.


TV@Anywhere Plus
Micro-Star TV7131 WDM Drivers Setup
Micro-Star TV7131 WDM Drivers Setup Information
Please click 'NEXT', we will start to install the WDM Drivers.
Please wait a moment...
(Note : If under Win9?, it needs to take more time !)
InstallShield
< Back
Next >
Cancel

5. When you see the message as left, that means all of your drivers has been installed and it will start launch TV Setup and initialize TV settings. Please select “**Yes, I want to restart my computer now**” and click “**Finish**” to end the installation.

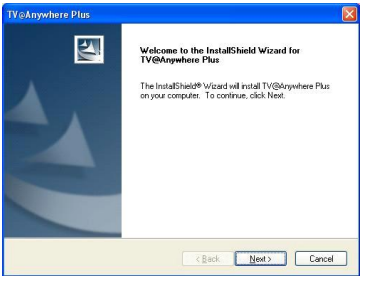

TV@Anywhere Plus
Micro-Star TV@Anywhere Plus
V-Stream XPERT TV - PVR 100 Pro Utilities and WDM Drivers have been installed completely.
Yes, I want to restart my computer now.
No, I will restart my computer later.
NOTE : You have to restart your computer right now so that the TV7131 can work fine.
< Back
Finish
Cancel

4.2 TV@nywhere-Plus Software Installation

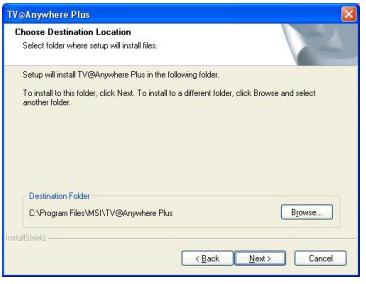
TV@Anywhere-Plus installation CD comes with complete Windows software utilities. These utilities can be found from the CD-ROM in this package. Before installation, it is highly recommended that all background programs are disabled. These include such applications as anti-virus software and system monitoring applications. Please follow the step below to install the TV@Anywhere-Plus application.

1. Insert the installation CD disk into the CD-ROM drive. The TV@Anywhere-Plus Auto run Page will appear as the above, please select "TV@ANYWHERE-PLUS (PVR Plus)".

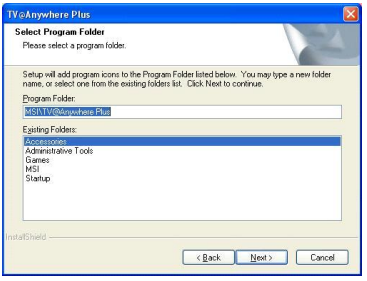
2. Then the install wizard will guide you to install the TV@Anywhere-Plus application, please click "Next" to continue.


TV@Anywhere Plus
Welcome to the InstallShield Wizard for TV@Anywhere Plus
The InstallShield® Wizard will install TV@Anywhere Plus on your computer. To continue, click Next.
< Back
Next >
Cancel

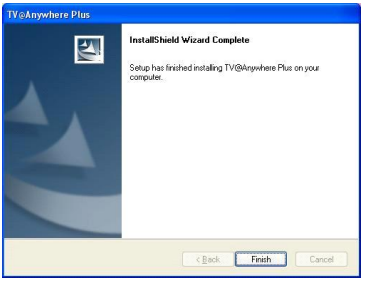
3. Please choose destination location where you want to install files. You can click the "Browse" to change the destination folder.


TV@Anywhere Plus
Choose Destination Location
Select folder where setup will install files.
Setup will install TV@Anywhere Plus in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\MSI\TV@Anywhere Plus
Browse...
InstallShield
< Back
Next >
Cancel

4. Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. After you click “Next”, the installshield wizard will start copy files to your destination folders. It may take a few minutes, please wait a moment.



5. After the installshield wizard has finished installing TV@Anywhere-Plus on your computer, it will show the message as left. Please click “Finish” to end the installation.



4.3 Using TV@nywhere-Plus

After you finish the installation of Digital @nywhere application, you can start to use the application to watch free-to-air digital terrestrial TV on your system. (Note that to have the best capability of your system, please install the Microsoft DirectX 9.0 before you use Digital @nywhere.)When you start to use the Digital @nywhere, you can select one of the functions as below.

TVR turns your PC into a full-featured video recorder.
(For the detailed instruction, please refer to chapter 4.4)

MPEG Encoder allows you to convert AVI files into MPEG format.
(For the detailed instruction, please refer to chapter 4.5)

Video Editor makes editing MPEG videos easy.
(For the detailed instruction, please refer to chapter 4.6)

Burn DVD allows you to create a VCD, SVCD and DVD that can be played on a PC or DVD player.
(For the detailed instruction, please refer to chapter 4.7)

Switch to FM.
(For the detailed instruction, please refer to chapter 4.8)

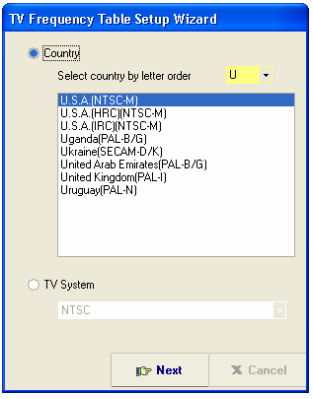
4.4 Using TVR

TVR is a powerful and easy-to-use TV application provides the most feature-rich video/audio entertainment. TVR provides a convenient way to watch and record TV or video on your personal computer and also allows you to play recorded TV or video. You can also listen to FM radio broadcasts under the FM mode if it is included in your model.

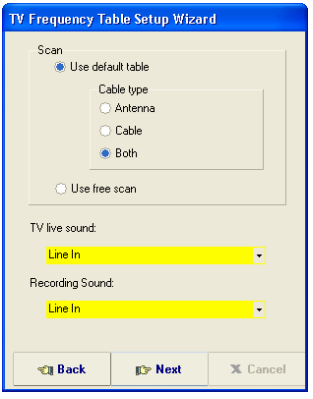
4.4.1 Setting TV system and scanning channel

When you first time execute TVR, TVR will prompt a TV setup Wizard to help you to set TV configuration step-by- step.

1. Select frequency table and video standard (NTSC, PAL or SECAM) either by country or TV system.



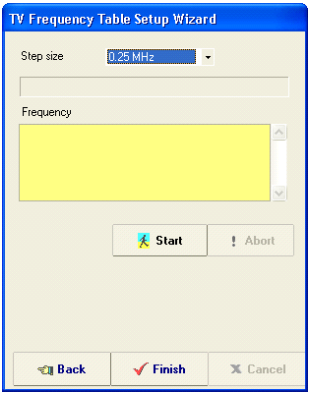
2. In this step, you have to select the TV frequency scan mode and TV audio live & recording port.
   (1) Scan all of your TV channel
   To scan your TV channels1, we suggest you can use the "Use default table" to scan all of your channels first. If some of the TV channels can't been scan, please select the "Use free scan" to scan your channels again.



   (2) Select the TV audio live & recording port.
   Basically we suggest desktop use to connect the audio cable to the line in of your sound card. Laptop user please connect the audio cable to the Microphone in of the sound card. Please base on how you connect the audio cable to select audio live and recording port. So that you can hear the sound when you watch TV programs and playback recorded file.

3. If you use the “Use free scan” to scan all of your TV channels, you would see the message window as left.

   The program will depends on the step size to scan all of the TV frequency step by step. It may takes for a while, please wait a moment.



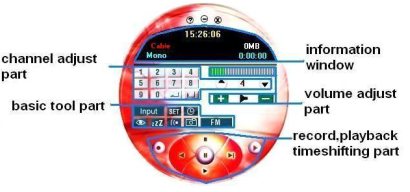
4. When you finish this configuration, please click “Finish” to end the TV Frequency Table setup Wizard. TVR will obeys the frequency table to do channel mapping.

NOTE:

1. TVR depends on current country code of Windows OS to give you a default value on country, but this might not be correct, you should check and select a valid option for your environment otherwise you can’t view all TV programs anyway.
2. When you want to re-configure your current TV frequency table anytime, you can choice “Reset TV Option” on popup menu to do this job again.

4.4.2 Main Panel Function

Main window is the most important window of TVR that display live video or playback. You can drag it to everywhere of screen or adjust its size by mouse or double click to switch to full-screen. There are six major functions of the TVR



Information Window

Display current time, state (Live, REC, Playback, Time Shifting), TV sound state (Mono, Stereo or SAP), recording file size, recording time, time control bar ,minimize ,maximize and help file.

Basic Tool Part

It has eight buttons, see following descriptions.

Input : Video source switch

: Scheduling

SET : Setup

: Channel preview

: Snapshot

zZZ : Sleeping timer setup

: TV sound switching

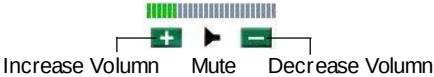
FM : Switch to FM

Channel Adjust Part

You can do channel selecting by click number key on control panel or keyboard when video source is set to Antenna, Cable or Memory.

Channel up : Go to previous enabled channel.
Channel down Go to next enabled channel.
Note: You must set channel to enabled state either by manual selecting or auto-scanning then you can use channel up/down functions.
Recall channel : Go to last selected channel.

Volume Adjust Part



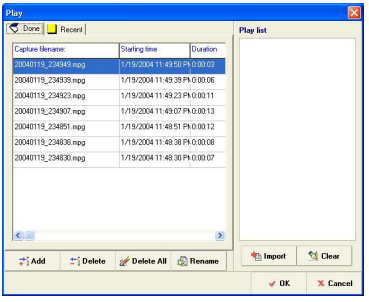
Record, Playback ,TimeShifting Part

1. Record Function

At Live mode, then you can start recording current live video by click capture button on control panel or choice "Capture" on popup menu. Once you are in capturing, click stop button on control panel or choice "Stop" on popup menu to stop current recording. You can review your recorded files in the playback list after recording.

2. Playback Function

You can do playback by click play button on control panel or choice "Play" on popup menu. This will bring a playback dialog that show all captured files you have done and all recent played files. You can assign more than one file from recorded file or importing from file dialog, TVR will gather all files you selected to a play list.



Add: Add selected item to Play list. Double-click the selected item to add it into the Play list.
Delete: Delete selected item.
Delete All: Delete all items.
Rename: Rename selected item.
Import: Import file(s) to play list.
Clear: Clear all items on play list.

While playing, you can use following functions:

- Play button : If media file is paused, resume playback.
- Pause button : To pause the current playing media file.
- Stop button : Stop current playing media file and go to Live mode.
- Backward button : Go backward.
- Forward button : Go forward.

3. TimeShifting Function

At Live mode, you can do time shifting by click time-shifting button on control panel or choice "Time Shifting" on popup menu. Once you are in time-shifting mode, **you need to wait for at least 4 seconds** before start playing by click play button on control panel or choice **"Play"** on popup menu. Once you want to stop time shifting, click stop button on control panel or choice **"Stop"** on popup menu to stop it.

While time shifting, you can switch current video and time-shifting video window by choice **"Real Screen"** on popup menu.

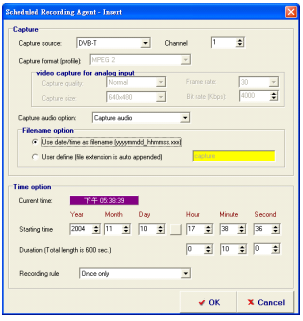
4.4.3 Input Source

There are five video input source for user selecting, they are Antenna, Cable, Memory, Composite, and S-Video. You can change video source by click video source (like Antenna or Cable) button on control panel or choice "Switch Video Source" on popup menu to do this job.

When video source is changed successfully, the control panel will also change to current status as you see.

4.4.4 Schedule Function

When you click , you can start setting the schedule properties.



Capture

- **Capture Source:** Capture source includes DVB-T, Composite and S-Video.
- **Channel:** Select the channel which you want to record.
- **Capture format (profile):** When you select DVB-T as the capture source, you can only use MPEG2 as capture format. (If you use other capture source such as composite or S-Video, you can use other capture format such as VCD, DVD or MPEG4.)
- **File name option:** You can use the date/time as your capture file name or define by yourself.

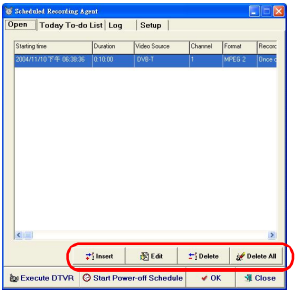
Time option

- **Current time:** Show the current time.
- **Starting time:** Enter the date and time when you want to start recording the files.
- **Duration:** Enter the length you want to record the program.
- **Recording rule:** Enter the recording rule you want to use. The default value is “Once only”.

Schedule Recording Agent Setting

When you input a record schedule, you will find that your record schedule

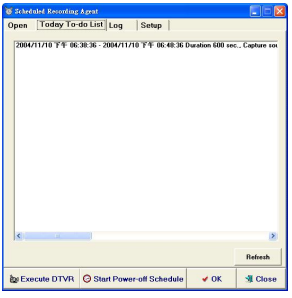
1. **Open**



- **Insert:** Insert a new record schedule.
- **Edit:** Edit the record schedule.
- **Delete:** Delete a record schedule.
- **Delete All:** Delete all of the record schedule.
- **Start Power-off Schedule:** If you click this button, the system will turn off immediately. When the scheduled recording time comes, your PC will turn on automatically and start recording TV programs as scheduled.

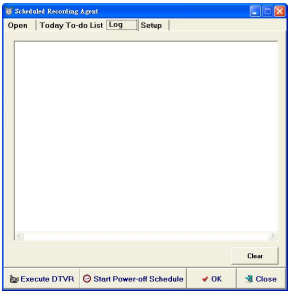
Note: To enable this function, please enable the “Hibernate” function in the windows power management configuration in advance.

2. **Today To-do List**



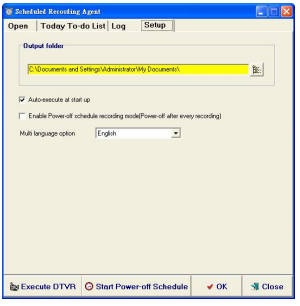
It will show all of the record schedule items of the day.

3. Log



If your record schedule fails, the error message will show in Log description. You can check error messages here.

4. Setup

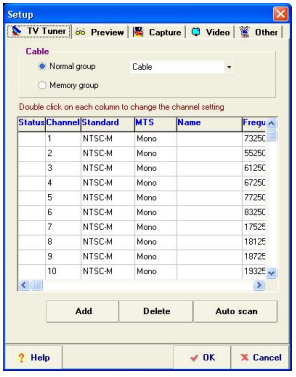


- **Output folder:** You can change the different capture folder to save your record files.
- **Auto-execute at start up:** Enabling this option makes schedule agent always execute at start up, otherwise it doesn't. Default is enabled.
- **Enable Power-off schedule recording mode:** Enabling this option makes system shutdown automatically when schedule recording finishes. Default is disabled.

4.4.5 Setup Utility

TV Tuner Setup

The TV Tuner setup property page, allows you to customize and configure your TV channels or edit your favorite memory channel. You can do automatically scan your cable or antenna signal for available channels or you can label and identify your favorite channels, as well as include or exclude channels from the channel list. At channel list, you can double click on each column to change channel setting, like video standard, MTS option, channel name and frequency fine tune.

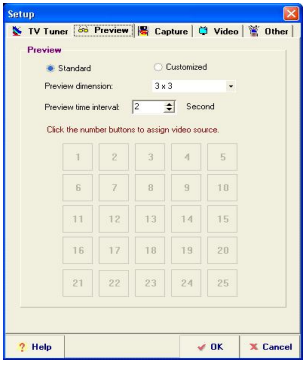


Normal Group
Switch TV source from Antenna or Cable.

Memory Group
Using Memory Group function. At memory mode, users can assign any order of channel number or video source they like.
Auto Scan: Click the button to start Auto Scan function.

Preview Setup

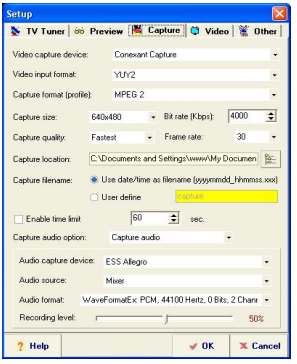
The preview setup property page, allows you to customize and configure your TV channels for channel surfing. There two preview option: standard and customized. At standard mode, channel surfing order



Standard
To select the Preview dimension: 2x2, 3x3, 4x4, 5x5
Preview time interval: Setting the interval time. The minimized value is 2 sec.

Customize
If you select this function, you can setting the video source of each channel. Just click on the number key then you can setting the video source which you want to see.

Capture Function



- **Video capture device:** To decide your video capture device.
- **Video input format:** Select your video input format as YUY2, UYVY or RGB.
- **Capture format (profile):** Setting what kind of video format which you want to record.
- **Capture Size:** Setting video capture size.
- **Bite Rate (Kbps):** Setting capture bite rate.
- **Capture quality:** Setting capture quality.
- **Frame Rate:** Setting capture frame rate.
- **Capture location:** To setting your capture folder.
- **Capture filename:** Setting your capture file name. You can choose “User date/time “ as filename or define by yourself.
- **Enable time limit:** To limit your record time.
- **Capture audio device:** You can select “Capture audio”, “Capture audio only, No Video” or no audio. When you select “Capture audio only, No Video”, you can capture the file as WAV or MP3 format.
- **Audio capture device:** Select which audio capture device which you want to use.
- **Audio Source:** To setting where the audio source. (Recommend using Line in.)
- **Audio format:** Setting your audio capture format.

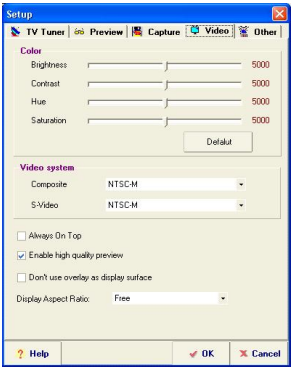
Video Setup Function

Color

Brightness, contrast, hue and saturation adjustment. Move the pointer of each scroll bars to see the effect.

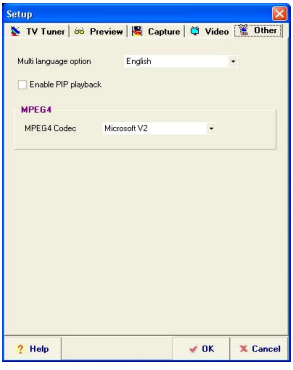
Video System

Although the TV tuner on your TV tuner capture card is fixed and you have to set up the TV system right after the first time you launch TV PLUS, you still have the chance to use this product to display the varies standards of video system.



- **Always On Top:** The preview window will show topmost.
- **Enable high quality preview:** Enable high quality preview mode
- **Don't use overlay as display surface:** If your graphic card doesn't supports Overlay mode, click on this option.
- **Display Aspect Ratio:** You can change the display aspect ratio at 4 : 3 , 16 : 9 or free mode.

Other Setup Function



- **Multi language option:** To select the different language interface on line.
- **Enable PIP playback:** Enable the Picture-In-Picture function while you are playback files.
- **MPEG4 Codec:** You can use this option to select different MPG4 code such as Microsoft and DivX codec.

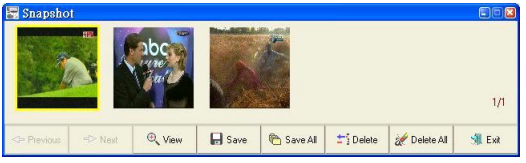
4.4.6 Channel Preview

You can do channel surfing by clicking on control panel or choose "Channel Preview" from the pop-up menu.

While channel surfing, you can select every channel sub-window by 4 arrow keys (left, right, up, down) or directly mouse click. When you want to finish channel surfing, you can use mouse double click or enter key to the channel sub-window you want.

4.4.7 Snapshot

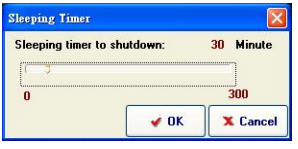
You can do Snapshot (Still Image Capture) on current preview window by click on control panel or choose "Snapshot" from the pop-up menu. When snapshot is done, the snapshot window will show up and you can do View/ Save/Delete for all images.



Note that the saved image format supports both BMP and JPEG, you can decide which format you want to save when you execute "Save / Save All" on file dialog.

4.4.8 Sleeping Timer

You can use sleeping timer function to set when you want to shutdown your system.



After you select the button, you would see the dialog box as below:
You can use slide bar or left and right key to adjust sleeping timer value, click "OK" to start. "Cancel" to exit.

4.4.9 Audio Output Mode

If your product model support Multilanguage function, you can click the icon to select different audio output mode. For example, you can setting your audio output mode as Stereo, Mono or SAP.

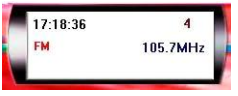
4.4.10 FM function

FM is a powerful application provides you listen and record FM radio. There are 50 memory channels can be assigned and you can use schedule recording to specific memory channels.

The FM control panel is designed to look like controls on a electric appliance, you can click button on control panel to do the function you want. The following page shows descriptions for the FM control panel functions, and tips for operating FM features.

Information Window

Display current time, current state (FM, REC, Playback), audio state, recording time, recording file size and current time, minimize, maximize and help file.



Tuning Frequency Adjusting

You can click or drag the frequency slide bar to set new frequency

Basic tool

: Switch to TV

: Scheduling

: Setup

: Add current frequency to memory channel list

: Increase 0.05MHz to current frequency value

: Decrease 0.05MHz to current frequency value

: Go to next channel

: Back to last channel

Channel Adjusting

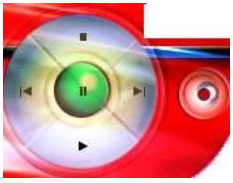
Enter the number key and Enter ( ) or wait 1 seconds that direct jump to the channel you input.

: Go to last selected channel.

Volumn Adjusting

Mute or : Mute or restore sound

Record/Playback/Time-shifting:



: Start recording

: Start playback

: Pause current playback

: Stop playback and back to Live mode

: Go backward

: Go forward

Time control bar

While playback, it shows general elapsed time or time remaining, also jump to specific time in program by mouse click.

Recording

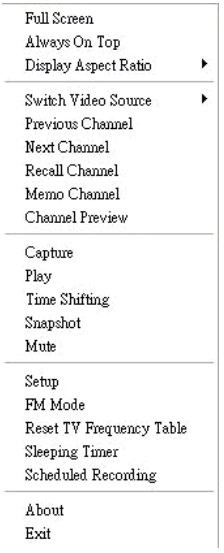
You can start recording current audio channel by click capture button on control panel or choice "Capture" on popup menu. Once you are in capturing, click stop button on control panel or choice "Stop" on popup menu to stop current recording. You can review your recorded files in the playback list after recording.

Playback

Same as playback of TVR. Please refer chapter 4.4.2.

4.4.11 Pop-Up Menu

Any time while running TVR, you can put the cursor on the display window or control panel and right-click to see a pop-up text menu. This menu will also appear when you press the [F12] key on your keyboard. The commands on this right-click menu are the same as those on the TVR control panel, along with some extra options added. The right-click menu is explained below.



- **Full Screen:** Switch to full screen or restore to normal window
- **Always On Top:** Set main window to topmost
- **Display Aspect Ratio:** Set the aspect ratio of the display window (Free, 4:3 or 16:9)
- **Switch Video Source:** Switch video source (DVB-T, Composite or S-Video)
- **Previous Channel:** Go to previous available channel
- **Next Channel:** Go to next available channel
- **Recall Channel:** Go back to last selected channel
- **Memo Channel**

- **Channel Preview:** Browse available channels as sub-window
- **Capture:** Start recording video
- **Play:** Start playback of recorded program
- **Time shifting:** Start time shifting
- **Snapshot:** Capture still images of current picture
- **Mute:** Mute or restore sound
- **Setup:** Open DTVR setup window
- **FM Mode:** Switch to FM
- **Reset TV Frequency Table:** Reset TV setup utility and frequency table
- **Sleeping Timer:** Set sleeping timer on/off
- **Schedule Recording:** Open scheduling recordings
- **About:** Show version and copyright information
- **Exit:** Exit DTVR

4.4.12 Remote function

1. **POWER:** Press this button to turn On / OFF TV@ANYWHERE-PLUS.
2. **SOURCE:** Switch video source (Antenna, Cable, Memory, Composite and S-Video.)
3. **SCAN:** Scan all channels.
4. **Numeric Keypad:** Select the desired channel directly.
5. **MUTE:** Press this button to mute the sound.
6. **ZOOM:** Click this button full screen display video.
7. **PREVIEW:** Channel preview
8. **SNAP:** Click this button to capture image.
9. **REC:** Start recording current live video
10. **STOP:** Stop recording current live video
11. **PAUSE:** To pause the current playing media file
12. **PLAY:** Click this button to playback recorded file
13. **BACKWARD:** Go backward while playback a recorded file
14. **FORWARE:** Go forward while playback a recorded file
15. **CH+:** Click this button to go to next channel.
16. **CH-:** Click this button to go to previous channel.
17. **VOL+:** Click this button to increase the audio volume
18. **VOL-:** Click this button to decrease the audio volume
19. **PIP:** Enable the PIP (Picture-In-Picture) function while you are playback files.
20. **Power-Off PC by remote control:** Click the RESET button when you want to power-off your PC. You will see the message pop up as below. Press “Power” button of the remote controller or click “OK” button on the message window and the system will shot down immediately. (You have to turn off the software TVR before using this function.)

4.5 MPEG Encoder

4.5.1 Interface Explanation

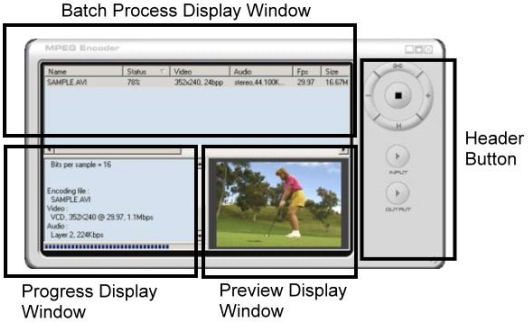
The default page is composed of four parts:

Header Buttons
Add input files; Delete files; Edit options; Start and Stop transcoding.

Batch Process Display Window
Displays file name, encoding status, screen size and play time of files to be transcoded.

Progress Display Window
Displays formatting information about the file being transcoded.

Preview Display Window
Displays the video of the file being transcoded.

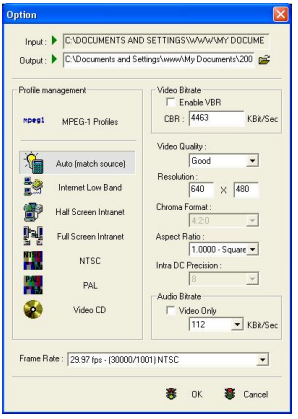


4.5.2 Practice Streaming Video Translation

MPEG Encoder transcodes multimedia files among video formats. For using MPEG Encoder, they must be able to be played with Windows Media Player. File formats that can be transcoded are: AVI, DV-AVI, MPEG-1, MPEG-2, ASF, WMV, DivX, and DAT.

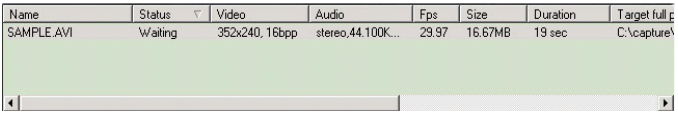
To add a multimedia file to be transcoded, click on the “+” or “Add”. This will open the “Browse” dialog box. Browse to the directory/file wanted and click on “Open”. (Another method of adding files to the Batch Process Display Window is to simply highlight a file, then drag and drop it into the Batch Process Display Window.)

Once the multimedia file is added to the Batch Process Display Window, the Option Dialog Box appears. This begins the process of selecting the output format for the transcoder. Choose among four categories of formats: MPEG-1, MPEG-2; Category tabs appear at the top of the window. After selecting a format category, choose a specific video format (and detailed options if necessary).



The output file will be created in the same directory as the original file unless a different path is manually chosen. It will also maintain the original video file name and add a file extension matching the video format of the output type selected. The file name can also be manually changed.

Once the output video format and options are selected, click “OK” and the file will appear in the Batch Process Display Window.



The Batch Process Display Window shows three states of process in the Status column.

1. **Waiting:** The media file displayed is queued for transcoding (compression and/or translation). The transcoding of video files in the “Waiting” state begins when the Encoding is clicked.
2. **Exclusion:** Transcoding of that file will not occur.
3. **Done:** The transcoding (compression and/or translation) is successfully completed.

To change a file’s status between Waiting and Exclusion (and vice versa), double click on the file line. The Waiting state will change to an Exclusion state and be reported as “Skip”. Similarly, a file with a “Skip” status when double-clicked, will change to “Waiting”.

During Transcoding, the Status column changes to display the percent of progress accomplished. Also, once the transcoding process has begun, the (right arrow) Encoding button changes to a Stop button. If the Stop button is clicked-on during transcoding, the process will stop. Once the transcoding process completes successfully, the status will change to Done. To transcode the same file again - for example, with an option change - double click on the file in the Batch Process Display Window and the Status will change to Waiting. To change the options again, highlight the file with a single mouse click and then click on the “Option” or “Edit” button to execute the Option Selection Dialog box.

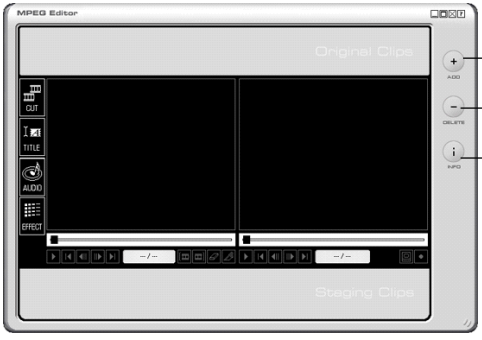
To view the transcoded output video file, highlight the video file and click-on the Output Play button.

4.6 Video Editor

4.6.1 Interface Explanation

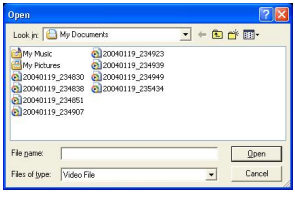
Video Editor's screen has following areas.

- **Menu Area:** file open, file/video clip delete, video property, change skin color, minimize, maximize, close and help
- **Display Area:** play original video clips, play edited video clips (preview), display saving progress information
- **Video Clip Staging Area:** Original Clips, Staging Clips
- **Frame Edit Area:** mark frame range, sequence arrangement, merge multiple frames into one video
- **Title Edit Area:** add title, font style, size, color, movement (straight line, curve line)
- **Audio Edit Area:** add audio and create sound effect
- **Special Effect Edit Area:** use Color Effect, Filter Effect, Transition Effect, Transition In Effect, Transition Out Effect, Noise Reduction Filter



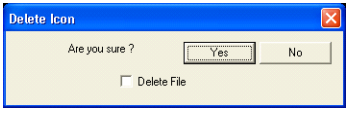
4.6.2 Menu Area

File open



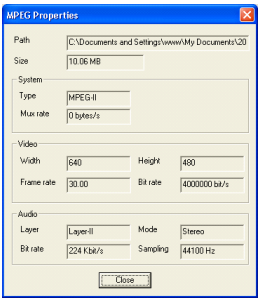
- Support MPEG-1, 2 system file(Video and Audio), AVI(DV-AVI).
- Select a file and click "Open" button.

Clip/File delete



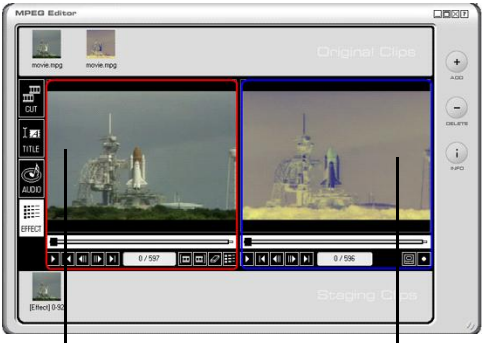
- Delete clips registered in Original/Staging Clips.
- Actual file on a hard disk is deleted when "Delete File" is checked.

MPEG Properties Dialog



- Display your input MPEG file properties

4.6.3 Display Area



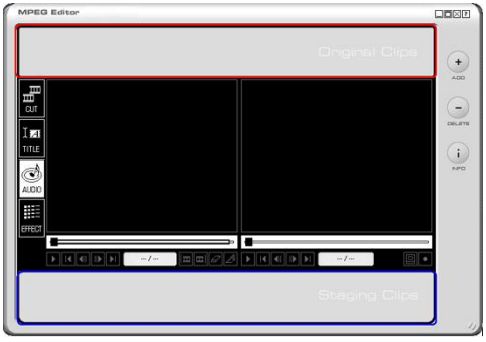
Original Video Display Window

- Displays videos in Original Clips. (Double Click or Drag and Drop)
- Videos in Staging Clips cannot be displayed in this window.
- In Title editing mode, Title can be edited in this window.
- In Audio editing mode, it displays registered audio files.
- In Special Effect mode, it displays all available filters.
- Displays the progress information when final video is created.

Edited Video Display Window

- Displays videos in Staging Clips. (Double Click or Drag and Drop)
- Videos in Original Clips can be displayed in this window.
- Preview function displays edited video in this window.

4.6.4 Original and Staging Clips



Original Clips

- This is the area where video clips that need to be edited are added and managed.
- Video clips can be dragged and dropped into the Original Clips area.
- The sequence of video clips added can also be rearranged easily by drag and drop.

How to add video clips

a. Use the button in the menu area to browse and select video clips to add to the Original Clips area.
b. Drag and Drop video files to the Original Clips area.

How to view and manage video clips in the Original Clips area

a. To view a video clip in the Original Clips are, either double click on the video clip or drag and drop the video clip from the Original Clips area on to the Original Video Display window.
b. Clicking on the right mouse button will bring up a Pop-up Menu. This menu performs the following functions: copy, delete and show property information.

Staging Clips

- This is the area where video clips are added after frame ranges are specified.
- Video clips can be managed for further editing in this area.
- Editing, deletion and sequence arranging are done here.
- File properties for each video clip can be obtained by right mouse clicking on the clip.
- Video clips are acted upon and added to the Staging area using the four application buttons on the left side of Video Editor. Those four buttons are “Cut”, “Title”, “Audio” and “Effect”.

4.6.5 Frame Edit Mode

Frame Range Selection for Editing

- Specify frame range
- To add an entire video clip, drag the clip from the Original Clips area and drop it in the Staging Clips area.
- To add portions of a video clip, drag the clip from the Original Clips area and drop it in the left preview window. Then using the Mark-in/Mark-out button, cut the portion of the video clip to be edited and then click the CUT button to transfer the clip to the Staging Clips area.
- Users can repeat the above steps to add multiple video frames.

Video Frames Editing and Saving

1. Adding Video Clip
   - Use the ADD button in the menu area to browse and select video clips to add to the original clips area.
   - Drag and drop video files to the original clips area.
   - Double click on added video clips in original clips area or drag and drop them to original video.
   - Display Window to view and select frames for further editing.

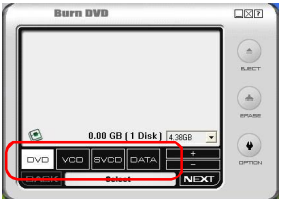
2. Selecting frame ranges for video editing click mark-in to specify the beginning of a clip and mark-out to set the end of the clip. Next, click on the CUT button to move the clips from the auto edit window to the Staging Clips area.

3. Editing video frames
   - Select video frames in staging clips area.
   - Users can rearrange the sequence of videos.
   - Users can repeat the same scene by putting the same video frames multiple times.
   - Users can delete sections of video they do not want.
   - Users can confirm the video before final saving using preview function.
   - User can repeat the above steps.
   - Save the final video when editing is completed.

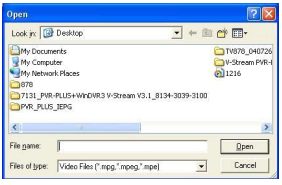
4.7 Burn DVD

4.7.1 Adding Files

1. Select format
   DVD: For DVD.
   VCD: For Video CD.
   SVCD: For Super VCD.
   DATA: For multi-media data CD.



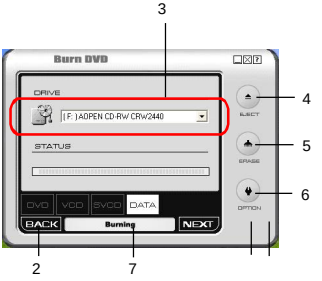
2. Click [+] and the dialog box will shows up as left. It will show you all the video files in this folder. Please select the video file which you want use.



3. Added files also can be deleted. Click on the file then click the [−] button, the file will be delete from the list.

4. When all necessary files are added, click on [NEXT] to move to next step.

4.7.2 Burning



1. The window shown on the right appears.

2. This “Back” button allows users to go back to previous step. Users can go back to previous step and change selected files or selected format.

3. Select DVD/CD burner to use.

4. Eject DVD/CD drive.

5. Erase all content on DVD/CD media.

6. Open option dialog box.
   - **NTSC, PAL, Both:** Select video type.
   - **Support XVCD and XSVCD:** Data rate is not checked in order to support XVCD and XSVCD.
   - **Perform Writing Test before recording:** Checks to insure that the DVD/CD writer is functioning correctly before actual burning.
   - **Use Windows temporary directory:** [Default] Use Windows temporary directory as DVD Maker’s temporary directory.
   - **Path:** Users can specify DVD Maker’s temporary directory.

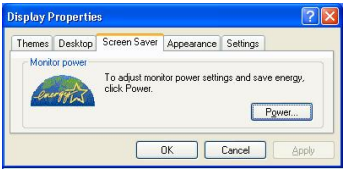
7. After selecting DVD/CD burner and changing settings in Option dialog box, click NEXT to start burning DVD or CD.

4.8 FAQ

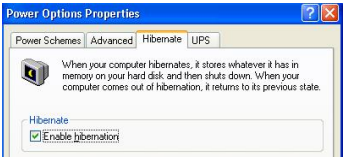
Q1. How do I use the power-off schedule recording function?

Before you use the power-off schedule recording function, please make sure your system can support hibernate function.

Step 1.
Enter to the “display properties” and choose the “screen saver”.

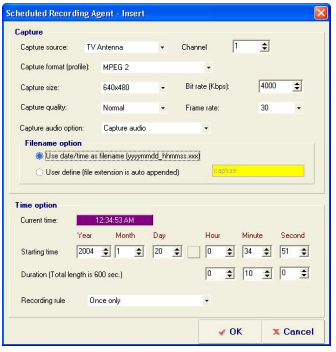


Step 2.
Click the “Power” button to and enter to the “Hibernate” function. You would see the option “Enable hibernate support”. Please click on the function so that you can use the power-off schedule recording function.

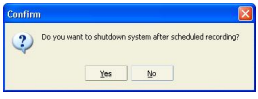

Power Options Properties
Power Schemes
Advanced
Hibernate
UPS
When your computer hibernates, it stores whatever it has in memory on your hard disk and then shuts down. When your computer comes out of hibernation, it returns to its previous state.
Hibernate
Enable hibernation

Step 3.

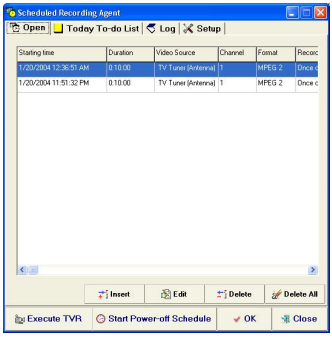
Then you can click on the button to start setting the schedule properties. After you finish the setting, please click the “OK” to the next step.



Step 4.
Then you would see your setting in the schedule. If you want to use power-off schedule recording now, please click on the “Start Power-off Schedule ” button. It will pop up a message to ask you if you want to shutdown system after schedule recording.



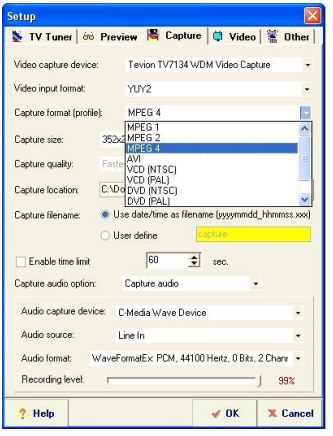
If you want to shutdown your PC after schedule recording, please click “Yes.



Q2. How to capture video clip as MPEG4 format?

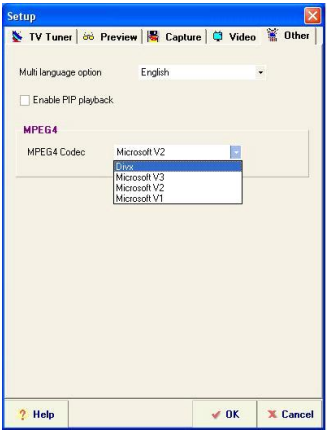
If you use other capture source such as composite or S-Video, you can record video clips as MPEG4. (When you select DVB-T as the capture source, you can't capture video format as MPEG4.) Please follow the steps below to record files as MPEG4 format.

Step 1.
We provide two kinds of MPEG4 format, Microsoft and DIVX.
Please download the MPEG4 Codec from Internet.
DIVX: http://www.divx.com/
Microsoft: http://www.microsoft.com
Or you can e-mail to our technical support department.



Step 2.
Install the MPEG4 codec

Step 3.
Click the setup button ( ) and enter to the capture setting. Please select the MPEG4 record format.



Step 4.
Go to the other setting. Select the Mpge4 codec you want to use, Microsoft or DIVX.

Step 5.
When you finish the setting, please

Note